

#14



OIEP

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/723,326A

DATE: 04/29/2002
 TIME: 15:06:06

Input Set : A:\10989004999.txt
 Output Set: N:\CRF3\04292002\I723326A.raw

ENTERED

```

3 <110> APPLICANT: WEBSTER, Keith A.
5 <120> TITLE OF INVENTION: A Molecular Switch for Regulating Mammalian Gene Expression
7 <130> FILE REFERENCE: 10989-004-999
9 <140> CURRENT APPLICATION NUMBER: US 09/723,326A
10 <141> CURRENT FILING DATE: 2000-11-28
12 <150> PRIOR APPLICATION NUMBER: US 60/171,597
13 <151> PRIOR FILING DATE: 1999-12-23
15 <160> NUMBER OF SEQ ID NOS: 16
17 <170> SOFTWARE: PatentIn version 3.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 21
21 <212> TYPE: DNA
C--> 22 <213> ORGANISM: Artificial
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
26     gene regulatory sequence
28 <400> SEQUENCE: 1
29 tgtcacgtcc tgcacgacgt a                               21
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 22
33 <212> TYPE: DNA
C--> 34 <213> ORGANISM: Artificial
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
38     gene regulatory sequence
40 <400> SEQUENCE: 2
41 cttcagcacc gcggacagtg cc                               22
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 22
45 <212> TYPE: DNA
C--> 46 <213> ORGANISM: Artificial
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
50     gene regulatory sequence
52 <400> SEQUENCE: 3
53 tgtccattcc tgcacgacgt ac                               22
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 22
57 <212> TYPE: DNA
C--> 58 <213> ORGANISM: Artificial
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
62     gene regulatory sequence

```

RAW SEQUENCE LISTING

DATE: 04/29/2002

PATENT APPLICATION: US/09/723,326A

TIME: 15:06:06

Input Set : A:\10989004999.txt

Output Set: N:\CRF3\04292002\I723326A.raw

```

64 <400> SEQUENCE: 4
65 cttcagcacc gcttacagtg cc 22
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 43
69 <212> TYPE: DNA
C--> 70 <213> ORGANISM: Artificial
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
74     gene regulatory sequence
76 <400> SEQUENCE: 5
77 cttcagcacc gcggacagtg cctgtcacgt cctgcacgac gta 43
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 86
81 <212> TYPE: DNA
C--> 82 <213> ORGANISM: Artificial
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
86     gene regulatory sequence
88 <400> SEQUENCE: 6
89 cttcagcacc gcggacagtg cctgtcacgt cctgcacgac gtacttcagc accgcggaca 60
90 gtgcctgtca cgctcctgcac gacgta 86
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 123
94 <212> TYPE: DNA
C--> 95 <213> ORGANISM: Artificial
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
99     gene regulatory sequence
101 <400> SEQUENCE: 7
102 cttcagcacc gcggacagtg cctgtcacgt cctgcacgac ttcagcaccg cggacagtgc 60
103 ctgtcacgtc ctgcacgact tcagcaccgc ggacagtgcc tgtcacgtcc tgcacgacgg 120
104 tac 123
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 33
108 <212> TYPE: DNA
C--> 109 <213> ORGANISM: Artificial
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
113     gene regulatory sequence
115 <400> SEQUENCE: 8
116 cttcagcacc gcggacagtc acgtcctgca cga 33
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 129
120 <212> TYPE: DNA
C--> 121 <213> ORGANISM: Artificial
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
125     gene regulatory sequence
127 <400> SEQUENCE: 9

```

RAW SEQUENCE LISTING

DATE: 04/29/2002

PATENT APPLICATION: US/09/723,326A

TIME: 15:06:06

Input Set : A:\10989004999.txt

Output Set: N:\CRF3\04292002\I723326A.raw

```

128 cttcagcacc gcttacagt cctgtcacgt cctgcacgac gtacttcagc accgcttaca      60
129 gtgcctgtca cgtcctgcac gacgtacttc agcaccgctt acagtgcctg tcacgtcctg      120
130 cacgacgta                                     129
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 132
134 <212> TYPE: DNA
C--> 135 <213> ORGANISM: Artificial
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
139     gene regulatory sequence
141 <400> SEQUENCE: 10
142 cttcagcacc gcggacagtg cctgtccatt cctgcacgac gtaccttcag caccgcggac      60
143 agtgccctgtc cattcctgca cgacgtacct tcagcaccgc ggacagtgcc tgtccattcc      120
144 tgcacgacgt ac                                     132
146 <210> SEQ ID NO: 11
147 <211> LENGTH: 116
148 <212> TYPE: DNA
C--> 149 <213> ORGANISM: Artificial
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
153     gene regulatory sequence
155 <400> SEQUENCE: 11
156 cttcagcacc gcggacagtt gaggggactt tcccaggctt cagcaccgcg gacagttgag      60
157 gggactttcc caggcttcag caccgcggac agttgagggg actttcccag gcgtac          116
159 <210> SEQ ID NO: 12
160 <211> LENGTH: 116
161 <212> TYPE: DNA
C--> 162 <213> ORGANISM: Artificial
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
166     gene regulatory sequence
168 <400> SEQUENCE: 12
169 cttcagcacc gcttacagtt gaggggactt tcccaggctt cagcaccgct tacagttgag      60
170 gggactttcc caggcttcag caccgcttac agttgagggg actttcccag gcgtac          116
172 <210> SEQ ID NO: 13
173 <211> LENGTH: 199
174 <212> TYPE: DNA
C--> 175 <213> ORGANISM: Artificial
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
179     gene regulatory sequence
181 <400> SEQUENCE: 13
182 cttcagcacc gcggacagtt gacacgatca cctccatta aggagagaga tctccttcag      60
183 caccgcggac agttgacacg atcacctccc attaaggaga gagatctcct tcagcaccgc      120
184 ggacagttga cagcatcacc tcccattaag gagagagatc tccttcagca ccgcggacag      180
185 ttgagggggac tttcccagg                                     199
187 <210> SEQ ID NO: 14
188 <211> LENGTH: 162
189 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

DATE: 04/29/2002

PATENT APPLICATION: US/09/723,326A

TIME: 15:06:06

Input Set : A:\10989004999.txt

Output Set: N:\CRF3\04292002\I723326A.raw

```

C--> 190 <213> ORGANISM: Artificial
      192 <220> FEATURE:
      193 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
      194     gene regulatory sequence
      196 <400> SEQUENCE: 14
      197 cttcagcacc gcggacagtt gagottcggg gcttttgac tcgtcccggc tctacttcag      60
      198 caccgcggac agttgagctt cggggctttt gcactcgacc cggctctact tcagcaccgc      120
      199 ggacagttga gcttcggggc ttttgactc gtcccggctc ta                        162
      201 <210> SEQ ID NO: 15
      202 <211> LENGTH: 52
      203 <212> TYPE: DNA
C--> 204 <213> ORGANISM: Artificial
      206 <220> FEATURE:
      207 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
      208     gene regulatory sequence
      210 <400> SEQUENCE: 15
      211 ctggccttat ctccggctgc acgttgacctg ttggtgacta ataacacaat aa      52
      213 <210> SEQ ID NO: 16
      214 <211> LENGTH: 162
      215 <212> TYPE: DNA
C--> 216 <213> ORGANISM: Artificial
      218 <220> FEATURE:
      219 <223> OTHER INFORMATION: Description of Artificial Sequence: Mammalian
      220     gene regulatory sequence
      222 <400> SEQUENCE: 16
      223 cttcagcacc gcggacagtt gacacgatca cctccatta aggagagaga tctccttcag      60
      224 caccgcggac agttgacacg atcacctccc attaaggaga gagatctcct tcagcaccgc      120
      225 ggacagttga cacgatcacc tcccatag gagagagatc tc                        162

```